



## Tushar Bhatt

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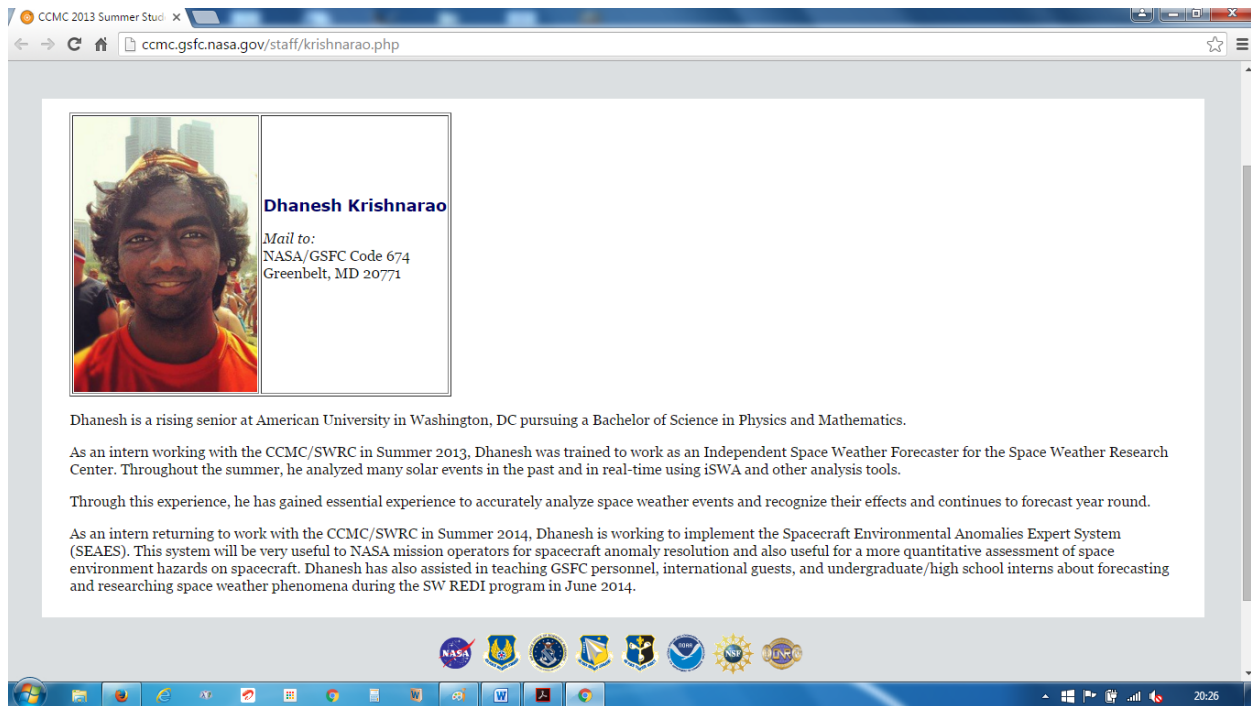
- ❖ Field of research:  
Solar influences on the earth and other planets
- ❖ Name of institute:  
Kadi Sarva Vishwavidyalaya
- ❖ Pursuing degree:  
PhD
- ❖ Completed degree (in descending order):  
M.Sc. (Physics)
- ❖ Trainings Taken (in descending order):
  1. CCMC Model
  2. Data acquisition technique from CAPS instrument on board CASSINI spacecraft at MSSL, UCL, UK
- ❖ Publications (in descending order):  
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- ❖ Oral presentation (in descending order):  
Participated in an IAPT district level seminar as an oral presenter in the year 2005
- ❖ Poster presentations (in descending order):  
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- ❖ Schools/Workshops Attended (in descending order):
  1. Participated in school organized by SSW COSPAR at Goa on CCMC model & conference in the year 2016.
  2. Participated in “All India Armature Astronomer Meet-2014” conference & workshop.

❖ Purpose of study in the research field (in 1000 words):

I am working in the field of space science entitled ‘Solar influences on the earth and other planets’. The field of study is widely required to know the mystery of the earth by observing impacts of the sun on the earth and other planets. In this context, I am first considering Saturn planet because of varieties of moons surroundings. These varieties are widely discussed in 10 years of surprises at Saturn: CAPS and INMS highlights (Coates et. al., 2014). Additionally, I am also doing practice in laboratory plasma and development in material science to correlate it with my study. To realise the material’s behaviour, I am using ground based instruments viz. FE HR-SEM, XRD, FTIR, Raman spectroscopy, ellipsometer and data from CAPS instrument on board CASSINI spacecraft providing by MSSL, UK. Theses wide study enables me to understand the universe interestingly.

## Other details:

- ❖ Awards & Honour (i.e.NET/SLAT/JEST/GATE/Any equivalent):  
PET by Kadi Sarva Vishwavidyalaya  
Junior Research Fellow at IPR (An autonomous body of D.A.E.)
- ❖ Any other examinations (i.e. IELTS/TOFEL/ any equivalent)  
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- ❖ Computer Operating and/or Programming Skill:  
Operating System: windows, linux  
Programming language: C, C++, Python  
Others: IDL, Matlab, Origin
- ❖ Language Skill  
Gujarati, Hindi, English
- ❖ Permanent communication address:  
At & Post- Bhetali, Taluka- Bhiloda, Dist- Aravalli, Zip code-383  
245
- ❖ Secondary communication address:  
A/10, electronics estate, GIDC, FCIPT, Gandhinagar
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Tushar is pursuing PhD at Kadi Sarva Vishwavidyalaya, Gandhinagar, Gujarat, India in the field of space science and a junior research fellow at IPR in the field of material science. He served as an assistant professor for 5.2 years in India and then joined research field due to strong enthusiasm to know the universe.

He was trained by MSSL, UK in 2015 to know facts from Saturn planet. He was also trained by CCMC staff to use CCMC model at Goa in 2016. This model will enable him to correlate the data with his research study from different instruments on board different spacecraft.